

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) A method for providing channel numbers to channels of programs in multiple digital data transmissions received via a digital transmissions receiver, comprising:

receiving at least one domestic digital data transmission (400) and at least one foreign digital data transmission (440); via the receiver, wherein the at least one domestic digital data transmission and the at least one foreign digital data transmission include logical channel number data for channels of programs therein;

assigning, via the receiver, channel numbers for the channels of programs in the at least one domestic digital data transmission according to the logical channel number data therein at a lower range of an available range of channel numbers of the receiver; and

assigning, via the receiver, channel numbers for the channels of programs in the at least one foreign digital data transmission that are in a higher range of the available range than the channel numbers for the channels of programs in the at least one domestic digital data transmission, wherein the channel numbers in the higher range are assigned starting at the end of the available range and counting back towards the lower range.

2. (original) The method of claim 1, wherein:

the receiving at least one domestic digital data transmission comprises receiving a plurality of domestic digital data transmissions of the same digital data service from different transmitters, and the plurality of domestic digital data transmissions include logical channel number data for channels of programs therein; and

the assigning channel numbers for the channels of programs in the at least one

domestic digital data transmission comprises assigning channel numbers according to the logical channel number data included in a particular one of the plurality of domestic digital data transmissions that has a strongest service, among the plurality of domestic digital data transmissions, for the channels of programs therein.

3. (original) The method of claim 2, wherein:

the particular one of the plurality of domestic digital data transmissions has the strongest service when its quality alone is highest among the plurality of domestic digital data transmissions; and

the particular one of the domestic digital data transmissions has the strongest service when its signal strength alone is highest among at least two of the plurality of domestic digital data transmissions that have the same highest quality.

4. (original) The method of claim 2, wherein:

the particular one of the plurality of domestic digital data transmissions has the strongest service when its frequency is highest among at least two of the plurality of domestic digital data transmissions that have the same highest quality and the same highest signal strength.

5. (currently amended) The method of claim 2, wherein:

the channel numbers for the channels of programs in the plurality of domestic digital data transmissions other than the particular one of the domestic digital data transmissions that has the strongest service are grouped in at least one group, and are assigned in a higher range of the available range than the channel numbers for the channels of programs in the particular one of the domestic digital data transmissions that has the strongest service, at the end of the available range, before the channel numbers of the channels of programs in the at least one foreign digital data transmission.

6. (currently amended) The method of claim 2, wherein:

the channel numbers for the channels of programs in the plurality of domestic digital data transmissions other than the particular one of the domestic digital data transmissions that has the strongest service are grouped in a plurality of groups in order of decreasing service strength, at the end of the available range, before the channel numbers of the channels of programs in the at least one foreign digital data transmission.

7. (currently amended) The method of claim 2, wherein:

the channel numbers for the channels of programs in the plurality of domestic digital data transmissions other than the particular one of the domestic digital data transmissions that has the strongest service are assigned according to a sorted order, at the end of the available range, before the channel numbers of the channels of programs in the at least one foreign digital data transmission.

8. (currently amended) The method of claim 2, wherein:

the channel numbers for the channels of programs in the plurality of domestic digital data transmissions other than the particular one of the domestic digital data transmissions that has the strongest service precede the channel numbers for the channels of programs in the at least one foreign digital data transmission, at the end of the available range.

9. (currently amended) The method of claim 1, wherein:

the receiving at least one foreign digital data transmission, via the receiver, comprises receiving a plurality of foreign digital data transmissions that each include logical channel number data for channels of programs therein;

the assigning channel numbers for the channels of programs in the at least one

foreign digital data transmission comprises assigning channel numbers for channels of programs in the plurality of foreign digital data transmissions; and

the channel numbers for the channels of programs in the plurality of foreign digital data transmissions are grouped in respective groups, and are assigned in a higher range of the available range of channel numbers of the receiver than the channel numbers for the channels of programs in the at least one domestic digital data transmission.

10. (original) The method of claim 1, wherein:

the channel numbers for the channels of programs in the at least one foreign digital data transmission are assigned according to a sorted order.

11. (original) The method of claim 1, wherein:

the at least one domestic digital data transmission and at least one foreign digital data transmission comprise at least one of audio and video data.

12. (original) The method of claim 1, wherein:

the at least one domestic digital data transmission and at least one foreign digital data transmission are provided in at least one of respective broadcasts, multicasts and streaming content.

13. (currently amended) A method for providing logical channel numbers to channels of programs in multiple digital data transmissions received via a digital transmissions receiver, comprising:

receiving a plurality of domestic digital data transmissions of digital data services with different regional content;- via the receiver, wherein the plurality of domestic digital data transmissions include logical channel number data for channels of programs therein;

determining a particular one of the plurality of domestic digital data transmissions that has the strongest service via the receiver;

assigning, via the receiver, channel numbers for the channels of programs in the particular one of the domestic digital data transmissions that has the strongest service, according to the logical channel number data therein at a lower range of an available range of channel numbers of the receiver; and

assigning, via the receiver, channel numbers, for the channels of programs in the plurality of domestic digital data transmissions other than the particular one of the domestic digital data transmissions that has the strongest service, that are grouped in at least one group, and that are in a higher range of the available range than the channel numbers for identifying the channels of programs in the particular one of the domestic digital data transmissions that has the strongest service, wherein the channel numbers in the higher range are assigned starting at the end of the available range and counting back towards the lower range.

14. (original) The method of claim 13, wherein:

the channel numbers for the channels of programs in the plurality of domestic digital data transmissions other than the particular one of the domestic digital data transmissions that has the strongest service, are assigned according to a sorted order.

15. (original) The method of claim 13, wherein:

the channel numbers for the channels of programs in the plurality of domestic digital data transmissions other than the particular one of the domestic digital data transmissions that has the strongest service, are grouped in a plurality of groups in order of decreasing service strength.

16. (original) The method of claim 13, wherein:

the particular one of the domestic digital data transmissions has the strongest

service when its quality alone is highest among the plurality of domestic digital data transmissions; and

the particular one of the domestic digital data transmissions has the strongest service when its signal strength alone is highest among at least two of the plurality of domestic digital data transmissions that have the same highest quality.

17. (original) The method of claim 13, wherein:

the particular one of the plurality of domestic digital data transmissions has the strongest service when its frequency is highest among at least two of the plurality of domestic digital data transmissions that have the same highest quality and the same highest signal strength.

18. (currently amended) A program storage device tangibly embodying a program of instructions executable by a machine to perform a method for providing channel numbers, the method comprising:

receiving at least one domestic digital data transmission ~~(400)~~ and at least one foreign digital data transmission, ~~(410)~~ wherein the at least one domestic digital data transmission and the at least one foreign digital data transmission include logical channel number data for channels of programs therein;

assigning channel numbers for the channels of programs in the at least one domestic digital data transmission according to the logical channel number data therein at a lower range of an available range of channel numbers of the machine; and

assigning channel numbers for the channels of programs in the at least one foreign digital data transmission that are in a higher range of the available range than the channel numbers for the channels of programs in the at least one domestic digital data transmission, wherein the channel numbers in the higher range are assigned starting at the end of the available range and counting back towards the lower range.

19. (currently amended) A program storage device tangibly embodying a program of instructions executable by a machine to perform a method for providing channel numbers, the method comprising:

receiving a plurality of domestic digital data transmissions (~~400, 410, 420~~) of digital data services with different regional content, wherein the plurality of domestic digital data transmissions include logical channel number data for channels of programs therein;

determining a particular one of the plurality of domestic digital data transmissions that has the strongest service;

assigning channel numbers for the channels of programs in the particular one of the domestic digital data transmissions that has the strongest service, according to the logical channel number data therein, at a lower range of an available range of channel numbers of the machine; and

assigning channel numbers, for the channels of programs in the plurality of domestic digital data transmissions other than the particular one of the domestic digital data transmissions that has the strongest service, that are grouped in at least one group, and that are in a higher range of the available range than the channel numbers for identifying the channels of programs in the particular one of the domestic digital data transmissions that has the strongest service, wherein the channel numbers in the higher range are assigned starting at the end of the available range and counting back towards the lower range.

20. (currently amended) A receiver for providing channel numbers, comprising:

means for receiving (~~200, 202~~) at least one domestic digital data transmission and at least one foreign digital data transmission, wherein the at least one domestic digital data transmission and the at least one foreign digital data transmission include logical channel number data for channels of programs therein;

means for assigning (~~203~~) channel numbers for the channels of programs in the

at least one domestic digital data transmission according to the logical channel number data therein at a lower range of an available range of channel numbers of the receiver;
and

means for assigning (203) channel numbers for the channels of programs in the at least one foreign digital data transmission that are in a higher range of the available range than the channel numbers for the channels of programs in the at least one domestic digital data transmission, wherein the channel numbers in the higher range are assigned starting at the end of the available range and counting back towards the lower range.